

**AMENDMENTS TO THE CLAIMS**

This listing of the claims replaces all prior listings and versions:

1. (original): A protein consisting of the amino acid sequence of SEQ ID NO:1.
2. (currently amended): A protein consisting of the amino acid sequence of SEQ ID NO:1, ~~except that the amino acid sequence contains~~ with one or more mutations.
3. (original): The protein of claim 2, wherein the amino acid sequence contains between one and twenty mutations.
4. (currently amended): The protein of claim 2 ~~or claim 3~~, wherein the mutation(s) reduce or eliminate ADP-ribosylating activity of the protein.
5. (currently amended): The protein of claim 2 ~~any one of claims 2 to 4~~, wherein the mutation(s) are independently substitutions, insertions, and/or deletions.
6. (original): The protein of claim 5, wherein the mutation(s) include single amino acid substitutions.
7. (currently amended): The protein of claim 5 ~~or claim 6~~, wherein the mutation comprises one or more of the mutations listed in Table 1.
8. (currently amended) A protein comprising the amino acid sequence of a protein according to ~~any preceding~~ claim 1.
9. (original): A protein comprising an amino acid sequence having greater than 50% sequence identity to the amino acid sequence recited between residue 410 and residue 604 of SEQ ID NO:1.
10. (currently amended): A protein comprising a fragment of 7 or more amino acids from a protein according to claim 9 ~~any one of claims 1 to 7~~.

11. (canceled).

12. (currently amended): A protein of claim 9~~any one of claims 1-10~~, wherein said protein is associated with at least one molecule of NAD, nicotinamide and/or ribosyl- ADP.

13. (currently amended): The protein of ~~any preceding~~ claim 2, for use as an adjuvant.

14. (original): The protein of claim 13, for use as a mucosal adjuvant.

15. (currently amended): A method of ~~The use of the protein of any one of claims 1 to 11 in the manufacture of a medicament for~~ raising an immune response in an animal, the method comprising the step of administering a protein according to claim 1 to said animal.

16. (currently amended): An immunogenic composition comprising the protein of ~~any one of claims~~ claim 11 ~~to 11~~ in admixture with an antigen.

17. (currently amended): An Antibody which binds to the protein of ~~any one of claims~~ claim 1 ~~to 11~~.

18. (currently amended): An isolated Nucleic acid encoding the protein of ~~any one of claims~~ claim 1 ~~to 11~~.

19. (currently amended): An isolated Nucleic acid comprising the nucleotide sequence recited in SEQ ID NO:2.

20. (currently amended): An isolated Nucleic acid comprising a fragment of 10 or more nucleotides from the nucleic acid of claim 18 ~~or claim 19~~.

21. (currently amended): A vector comprising a nucleic acid sequence of the nucleic acid of ~~any one of claims~~ claim 18 ~~to 20~~.

22. (original): A host cell transformed with the vector of claim 21.

23. (currently amended): A composition comprising ~~the protein of any one of claims 1 to 11, the antibody of claim 17, i and/or the nucleic acid of any one of claims~~ claim 18-20.

24. (currently amended): ~~The~~ A composition comprising the antibody of claim 17. of claim 23 for use as a medicament.

25. (currently amended): A method of Use of the composition of claim 23 in the manufacture of a medicament for treating or preventing bacterial infection, the method comprising administering a protein according to claim 1 or a nucleic acid encoding the protein to a subject.

26. (currently amended): The ~~use~~ method of claim 25, wherein the bacterial infection is caused by *Listeria monocytogenes*.

27. (currently amended): The ~~Use method of the composition of claim 23~~ 26, wherein the bacterial infection is in the manufacture of a medicament for treating or preventing listeriosis.

28. (canceled).